SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Vibes Raspberry Lemon

Prepared for:
North Brands LLC

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
NCC0032	Various	Unit	
Reported:	**Started:**	**Received:**	
15Sep2023	15Sep2023	15Sep2023	

Cannabinoids

Test ID: T000255915

Methods: TM14 (HPLC-DAD)	**LOD** (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.147	0.488	ND	ND	# of Servings = 1, Sample Weight=355g
Cannabichromenic Acid (CBCA)	0.135	0.447	ND	ND	
Cannabidiol (CBD)	0.469	1.278	5.250	0.00	
Cannabidiolic Acid (CBDA)	0.481	1.311	ND	ND	
Cannabidivarin (CBDV)	0.111	0.302	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.201	0.547	ND	ND	
Cannabigerol (CBG)	0.084	0.277	ND	ND	
Cannabigerolic Acid (CBGA)	0.349	1.159	ND	ND	
Cannabinol (CBN)	0.109	0.362	ND	ND	
Cannabinolic Acid (CBNA)	0.238	0.791	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.416	1.381	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.378	1.254	2.900	0.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.335	1.111	ND	ND	
Tetrahydrocannabivarin (THCV)	0.076	0.252	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.295	0.980	ND	ND	
Total Cannabinoids			**8.150**	**0.00**	
Total Potential THC			2.900	0.00	
Total Potential CBD			5.250	0.00	

Final Approval

Karen Winternheimer
15Sep2023
02:41:00 PM MDT
PREPARED BY / DATE

Sam Smith
15Sep2023
02:43:00 PM MDT
APPROVED BY / DATE

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Residual Solvents

Test ID: T000255919
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	93 - 1862	ND	
Butanes (Isobutane, n-Butane)	189 - 3778	ND	
Methanol	55 - 1090	ND	
Pentane	95 - 1906	ND	
Ethanol	87 - 1743	ND	
Acetone	94 - 1877	ND	
Isopropyl Alcohol	90 - 1805	ND	
Hexane	6 - 113	ND	
Ethyl Acetate	90 - 1803	ND	
Benzene	0.2 - 3.6	ND	
Heptanes	93 - 1852	ND	
Toluene	16 - 317	ND	
Xylenes (m,p,o-Xylenes)	110 - 2192	ND	

Final Approval

Karen Winternheimer
17Sep2023
01:32:00 PM MDT
PREPARED BY / DATE

Sam Smith
17Sep2023
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Pesticides

Test ID: T000255916
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)		**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	257 - 2019	ND	Malathion	286 - 2784	ND
Acephate	40 - 2722	ND	Metalaxyl	41 - 2781	ND
Acetamiprid	39 - 2703	ND	Methiocarb	43 - 2703	ND
Azoxystrobin	44 - 2774	ND	Methomyl	39 - 2716	ND
Bifenazate	42 - 2783	ND	MGK 264 1	163 - 1681	ND
Boscalid	43 - 2700	ND	MGK 264 2	106 - 1070	ND
Carbaryl	43 - 2721	ND	Myclobutanil	24 - 2655	ND
Carbofuran	43 - 2710	ND	Naled	42 - 2729	ND
Chlorantraniliprole	45 - 2697	ND	Oxamyl	41 - 2737	ND
Chlorpyrifos	49 - 2823	ND	Paclobutrazol	44 - 2730	ND
Clofentezine	282 - 2741	ND	Permethrin	299 - 2717	ND
Diazinon	277 - 2812	ND	Phosmet	44 - 2782	ND
Dichlorvos	267 - 2726	ND	Prophos	275 - 2716	ND
Dimethoate	42 - 2687	ND	Propoxur	42 - 2703	ND
E-Fenpyroximate	296 - 2751	ND	Pyridaben	294 - 2766	ND
Etofenprox	40 - 2738	ND	Spinosad A	30 - 2098	ND
Etoxazole	299 - 2730	ND	Spinosad D	62 - 676	ND
Fenoxycarb	23 - 2783	ND	Spiromesifen	274 - 2741	ND
Fipronil	30 - 2753	ND	Spirotetramat	263 - 2864	ND
Flonicamid	34 - 2723	ND	Spiroxamine 1	18 - 1179	ND
Fludioxonil	273 - 2694	ND	Spiroxamine 2	24 - 1495	ND
Hexythiazox	38 - 2734	ND	Tebuconazole	269 - 2765	ND
Imazalil	267 - 2836	ND	Thiacloprid	41 - 2695	ND
Imidacloprid	41 - 2757	ND	Thiamethoxam	38 - 2719	ND
Kresoxim-methyl	44 - 2807	ND	Trifloxystrobin	43 - 2693	ND

Final Approval

Karen Winternheimer
18Sep2023
09:03:00 AM MDT
PREPARED BY / DATE

Sam Smith
18Sep2023
09:07:00 AM MDT
APPROVED BY / DATE

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Microbial Contaminants

Test ID: T000255917
Methods: TM25 (PCR) TM24, TM26, TM27 (Culture Plating)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10^0 CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10^0 CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10^1 CFU/g	$1.0x10^2$ - $1.5x10^4$	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10^2 CFU/g	$1.0x10^3$ - $1.5x10^5$	None Detected	
Total Coliforms*	TM27: Culture Plating	10^1 CFU/g	$1.0x10^2$ - $1.5x10^4$	None Detected	

Final Approval

Brett Hudson
18Sep2023
12:55:00 PM MDT
PREPARED BY / DATE

Brianne Maillot
18Sep2023
03:21:00 PM MDT
APPROVED BY / DATE

Heavy Metals

Test ID: T000255918
Methods: TM19 (ICP-MS): Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	Notes
Arsenic	0.05 - 4.83	ND	
Cadmium	0.05 - 4.84	ND	
Mercury	0.05 - 4.69	ND	
Lead	0.05 - 4.71	ND	

Final Approval

Colin Hendrickson
20Sep2023
01:39:00 PM MDT
PREPARED BY / DATE

Sam Smith
20Sep2023
01:42:00 PM MDT
APPROVED BY / DATE

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https://results.botanacor.com/api/v1/coas/uuid/8bd5fe2a-f967-46ef-8378-60724706d419

Definitions
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or – the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa *(0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

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